19990928.ba v02_n681.bam.990928 v02_n682.bam.990928

>From ???@??? Wed Sep 29 04:38:19 1999
Message-Id: <199909281329.d8SDTSD19837@sco.theporch.com>
Date: Tue, 28 Sep 1999 08:28:51 CDT
From: Old Tube Radios <boatanchors@theporch.com>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: BOATANCHORS digest 2681

BOATANCHORS Digest 2681

Topics covered in this issue include:

1) transformer SLUG COLOR CODES needed
by wallace@world.std.com (Andy Wallace)
2) Crystal grinding info needed
by Allen Cutts <cacutts@mindspring.com>
3) Re: Crystal grinding info needed
by "Arden Allen" <gumbear@pacbell.net>
4) More uglies
by William Donzelli <aw288@osfn.org>
5) Re: Crystal grinding info needed
by Niel Wiegand <nielw@ix.netcom.com>
6) BA sightings...
by Ray Mote <rmote@rain.org>
7) Re: FARFEST 99 (9/26) Report
by cswiger <cswiger@wilma.widomaker.com>
8) Re: wireless phono osc
by cswiger <cswiger@wilma.widomaker.com>
9) I met the enemy
by polepeeg@aa4rm.ba-watch.org (Marty's Refl. Drop)
10) Re: I met the enemy
by "Arden Allen" <gumbear@pacbell.net>
11) SX-28A
by Chip Owens <owens@atd.ucar.edu>
12) Re: I met the enemy
by "Arden Allen" <gumbear@pacbell.net>
13) Another Report About Bowie
by Paul Bernhardt <bern@ppdu.nrl.navy.mil>
14) Re: Crystal grinding info needed
by w8au@sssnet.com
15) Military Mod Meter info needed
by John Russo <jprusso@acsu.buffalo.edu>
16) Wanted: NC-200 Knob
by "Don Buska" <d.buska@aaiate.com>
17) Want: Manual copy for Millen 90711
by "Don Buska" <d.buska@aaiate.com>
18) Re: Chokes/the Great Debate

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     by Henry van Cleef <vancleef@netcom.com>
 19) FS   Shure microphone
     by "Ragnar Otterstad" <otterstad@inet.uni2.dk>
 20) Tesla -- Program! -- at the NJARC meeting Oct. 8th
     by "John Dilks, K2TQN" <oldradio@worldnet.att.net>
 21) Meeting with the enemy* - the results
     by polepeeg@aa4rm.ba-watch.org (Marty's Refl. Drop)
 22) WTB: Hallicrafters HT-17
     by w4bld@juno.com
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From: wallace@world.std.com (Andy Wallace)
To: Old Tube Radios <boatanchors@theporch.com>
Subject: transformer SLUG COLOR CODES needed
Date: Mon, 27 Sep 1999 00:47:52 GMT
Message-ID: <37efbdf3.22807478@world.std.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

My dad is looking for some info on IF transformer slug color codes. I didn't even know there was such a thing -- but I found the wire codes in my '65 Handbook.

Anyway, he says he found info on IF transformers and Oscillator coils on the Web, but needs info on matching blue, grey, green, and pink slugs to their respective coils. No, I don't have a clue what rig he's working on, but I'm going to find out! Pink???!!!

Anyone with info or a URL to point me to, thanks very much!

P.S. Worked a few station CW for C-X today but the RTTY contest is really making it tough!

--Andy
wallace@world.std.com

Message-Id: <199909270118.VAA19644@smtp6.mindspring.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Date: Sun, 26 Sep 1999 21:15:51 -0400
To: Old Tube Radios <boatanchors@theporch.com>
From: Allen Cutts <cacutts@mindspring.com>
Subject: Crystal grinding info needed

Hi All,

I need to change a few FT-243 crystals to a higher frequency. The ARRL book "Understanding Amateur Radio" says to use something called "powdered carborundum" in grinding crystals. Does anyone know where to get this stuff or does anyone have a better method? What has worked well for you??

thanks in advance,

Allen Cutts
cacutts@mindspring.com
N4OZI

Message-Id: <199909270201.TAA27721@mail-gw5.pacbell.net>
From: "Arden Allen" <gumbear@pacbell.net>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Re: Crystal grinding info needed
Date: Sun, 26 Sep 1999 18:59:58 -0700
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit

Hi Allen;

> I need to change a few FT-243 crystals to a higher frequency. The ARRL
book
> "Understanding Amateur Radio" says to use something called "powdered
> carborundum" in grinding crystals. Does anyone know where to get this
stuff or
> does anyone have a better method? What has worked well for you??

Way back someone on here said he had good results using the finest grit wet/dry emery paper. My idea (I haven't tried it yet) is to cut a pink pearl eraser to the size of the crystal to propel the crystal GENTLY in a figure eight motion over the wetted emery paper. Tape the emery paper to a smooth, hard, FLAT surface. If the paper wrinkles the crystal will break.

Arden Allen   KB6NAX   Vallejo, CA   gumbear@pacbell.net

Date: Sun, 26 Sep 1999 22:44:39 -0400 (EDT)
From: William Donzelli <aw288@osfn.org>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: More uglies
Message-ID: <Pine.SUN.3.91-FP.990926223920.23099H-100000@osfn.org>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Well, I need to clear out more of my junk, so here goes...

Here is another lot of sorry looking metal tubes - must be about twenty of them. They are untested, and all are beat up in the paint department. I hate metals with beat up paint, so out they go! Decent BA mix - 5W4, 6A8, 6AC7, 6C5, 6SA7, 12C8, and others just like them. Some were tested at some point and say "OK" in grease pencil.

Anyway, CHEAP! $3 plus shipping!

William Donzelli
aw288@osfn.org

Message-ID: <37EEEB04.5482AD43@ix.netcom.com>
Date: Sun, 26 Sep 1999 22:56:52 -0500
From: Niel Wiegand <nielw@ix.netcom.com>
MIME-Version: 1.0
To: Old Tube Radios <boatanchors@theporch.com>
CC: Old Tube Radios <boatanchors@theporch.com>
Subject: Re: Crystal grinding info needed
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

I've had good luck with "super fine" 400 grit wet sandpaper. Moves FT243 xtals 25 to 50 KHz with no problem. Wet the sandpaper, place on a flat/hard surface, pressing with your finger tip, drag in a figure 8 pattern for 10-15 times, rotating 90 degrees 4 times. Wash off xtal, dry off, remount in holder and check frequency. When repeating, grind the same side. Usually you can tell by close inspection which side has the sandpaper grind vs factory grind.

Using this method it is easy to overshoot your frequency so start slowly.

73, Niel-WA5VLZ

Allen Cutts wrote:
>
> Hi All,
>
> I need to change a few FT-243 crystals to a higher frequency. What has worked well for you??
>

Date: Sun, 26 Sep 1999 22:02:53 -0700 (PDT)

From: Ray Mote <rmote@rain.org>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: BA sightings...
Message-ID: <Pine.SUN.4.05.9909262156210.17587-100000@coyote.rain.org>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Seen at the Ventura, CA "flea market" today: Halli S-38EM (woodgrain finish) and NC-100, price unknown, appeared decent condx. Neither followed me home, as I just wasn't looking for another BA to pack & ship when we move!

Perhaps the strangest was a K&E surveying compass, complete with Navy contract number and a _Navy_Type_Number_ (CBJO-10666)!! Only thing I can figure is that it went with shore-based DF equipment? Nice little 4-inch compass needle in that baby, everything seems to work (except no liquid in the bullseye level), so it's a "keeper". :-) Last Navy rx I saw that came with a compass was the DAJ-1 portable DF rx that I passed on to Leroy Sparks a few years ago. Some of these BA's come with really nifty accessories.

Ray Mote, K5FKT <rmote@rain.org> Oxnard, CA

Date: Mon, 27 Sep 1999 08:30:29 -0400 (EDT)
From: cswiger <cswiger@wilma.widomaker.com>
To: Old Tube Radios <boatanchors@theporch.com>
cc: Old Tube Radios <boatanchors@theporch.com>
Subject: Re: FARFEST 99 (9/26) Report
Message-ID: <Pine.BSF.3.96.990927082056.16064A-100000@wilma.widomaker.com>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Sun, 26 Sep 1999, Charles Kadesch wrote:

> The relocation from Gaithersburg to Bowie, MD was quite successful

If I may chime in - quite a bit of classic gear was on display and for sale - saw many Gonset communicators, several Heath Twoers, lotsa wood cabinets - one large spread w/ an assortment of mil surplus had a URA-28 + two power amps - sold by the time I asked. A nice range of prices from a stack of books and some FM chassis "take 'em , they're free!" to a junky Boonton Measurements 65B w/broken knobs at an ebAy price. Successfully found a dual-pot volume control for a project and a big spool of magnet wire.

Chuck
kb4new
cswiger@widomaker.com

Date: Mon, 27 Sep 1999 08:46:31 -0400 (EDT)
From: cswiger <cswiger@wilma.widomaker.com>
To: Old Tube Radios <boatanchors@theporch.com>
cc: Old Tube Radios <boatanchors@theporch.com>
Subject: Re: wireless phono osc
Message-ID: <Pine.BSF.3.96.990927083430.16064B-100000@wilma.widomaker.com>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Sun, 26 Sep 1999, BobR wrote:

> RE: recent discussion/tales of broadcasting via wireless phono
> oscillators. If one wants to live/re-live those days, I see one listed

If anyone wants to build one I've the plans for the Kight 'Wireless
Broadcaster' from May 1955 Pop'tronics - can post on a web site w/o
(I think) getting into copyright trouble. It uses all common
parts, a 12AX7 and 2 50C5's, EXCEPT for one oscillator coil L2,
w/ no info other than Allied type RK-40 and no data in the
instruction. Also a 5.5Hy 50ma choke for Heising modulation.

Kit of parts was $12.00 at the time - of course the minimum wage
was ....

Chuck
kb4new
cswiger@widomaker.com

Date: Mon, 27 Sep 1999 09:04:53 -0400
From: polepeeg@aa4rm.ba-watch.org (Marty's Refl. Drop)
Message-Id: <199909271304.JAA01318@aa4rm.ba-watch.org>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: I met the enemy

and he is us

Pogo ~1966

Yesterday QRN city erupted in early CX. Even the #@!$ing TCS was
rockin & rollin' in spite of it's deaf/post RX comportment.

Made QSOs with strong sig.s but that was it. So after qso-supply was exhausted went out in nabe with swl Lowe thingy "a-searchin' ebry wiya-wiya-which a-way" (coasters '58?).

Ugh, max noise in house... and I'd turned every ham job on or off to no avail.

So started on a breaker pulling sequence &, egad, unit to shack silenced it. Then further refined search to outlet strip where G76(a) & 32V3(b)/51J4(c) & RS DSP(d) wall wart plugged. So guess which one & analysis & emergency field repair.

First correct unit guess will get a 6J6 shipped to their door all expenses paid.

First right analysis gets TWO, as above.

First emergency repair gets THREE and SOCKETS!!!

M

(can ya tell the CX was a good thing?)

Message-Id: <199909271506.IAA25536@mta3.snfc21.pbi.net>
From: "Arden Allen" <gumbear@pacbell.net>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Re: I met the enemy
Date: Mon, 27 Sep 1999 08:05:50 -0700
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit

Marty, heres my wags (wild ass guesses):

> First correct unit guess will get a 6J6 shipped to their door all
> expenses paid.

T'was the wall wort (1-6J5).

> First right analysis gets TWO, as above.

T'was wrecktifier diodes in wall wort what was DC out type (2-6J5's).

> First emergency repair gets THREE and SOCKETS!!!

Pried open wall wort and crammed in some .01's across the diodes, somtin' like that (3-6J5's+sockets).

Please ship 'em Priority mail, I've got a phono oscillator to build and I need the sockets for the 50L6's.

Arden Allen   KB6NAX   Vallejo, CA   gumbear@pacbell.net

Message-ID: <37EF88E4.536F54F@atd.ucar.edu>
Date: Mon, 27 Sep 1999 09:10:28 -0600
From: Chip Owens <owens@atd.ucar.edu>
MIME-Version: 1.0
To: Old Tube Radios <boatanchors@theporch.com>
Subject: SX-28A
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hi,
     Thanks to all who responded with info on the Hallicrafters receiver. Turns out it is an SX-28A. Also turns out that I don't have the time/interest in doing a re-cap. alignment, etc.

     So, I'm offering it for sale-but don't bother to read further unless you can come pick it up. I don't want to ship it!

     Condition is good, but dusty inside. I've replaced the ac line cord with a 3-wire type but have not done anything else. Cosmetically there are no scratches or dents. All knobs in place and in very nice condition. It does work quite well on the AM broadcast band, but not very well on the higher frequency bands. No problems with the dial cord but the dial calibration is off a little. No manual or speaker.

$300 and you need to pick it up.

Thanks, Chip, NW0O

--
Chip Owens   (owens@atd.ucar.edu)

Message-Id: <199909271513.IAA27478@mta3.snfc21.pbi.net>
From: "Arden Allen" <gumbear@pacbell.net>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Re: I met the enemy
Date: Mon, 27 Sep 1999 08:12:17 -0700
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1

Content-Transfer-Encoding: 7bit

Oh, you said 6J6's. Guess I'll have to use the 50C5's.

Arden Allen   KB6NAX   Vallejo, CA   gumbear@pacbell.net

Date: Mon, 27 Sep 1999 11:36:37 -0400 (EDT)
From: Paul Bernhardt <bern@ppdu.nrl.navy.mil>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Another Report About Bowie
Message-Id: <Pine.A32.4.03.9909271128250.23249-100000@ppdu.nrl.navy.mil>
Mime-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Gang,

I drove to the FAR hamfest in Bowie with Hans Zimmerman who was visiting from Switzerland. We both had a good time. He was very pleased with the quantity of BA's and liturature. I came back with a SRR-13, RAK-7, TMC exciter, a linear amp that uses 2 3-500 triodes. It was good to see many familiar faces including Mike Hanz, Tom Bryan, Phil McCoy, Dennis Gibbs, Floyd Jury, Steve Fennelli, Ted, Skip and others. The crowd was not as large as at Gaithersburg but many had come from as FAR away as Pennsylvania and North Carolina.

Paul Bernhardt, KF4FOR

Work:	P.A. Bernhardt	Home:	Paul Bernhardt, KF4FOR
	Code 6794		5704 Ridge View Dr.
	Naval Research Laboratory		Alexandria, VA 22310
	Washington, DC 20375		
Tel:	202-767-0196		703-960-9656
FAX:	202-767-0631		

Message-Id: <3.0.5.32.19990927132419.007c8b50@mail.sssnet.com>
Date: Mon, 27 Sep 1999 13:24:19 -0400
To: Old Tube Radios <boatanchors@theporch.com>
From: w8au@sssnet.com
Subject: Re: Crystal grinding info needed
Cc: boatanchors@theporch.com
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Toothpaste has a carborundum substance in it and can be used for grinding.

I did this years ago and it worked fine. I didn't grind off Megahertz, just Kilohertz....

Perry w8au

At 09:15 PM 9/26/99 -0400, you wrote:
>Hi All,
>
>I need to change a few FT-243 crystals to a higher frequency. The ARRL book
>"Understanding Amateur Radio" says to use something called "powdered
>carborundum" in grinding crystals. Does anyone know where to get this
stuff or
>does anyone have a better method? What has worked well for you??
>
>thanks in advance,
>
>Allen Cutts
>cacutts@mindspring.com
>N4OZI
>
>
>

Message-ID: <37EFABE4.88CAF07@acsu.buffalo.edu>
Date: Mon, 27 Sep 1999 13:39:49 -0400
From: John Russo <jprusso@acsu.buffalo.edu>
MIME-Version: 1.0
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Military Mod Meter info needed
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hi Gang

Could someone help me locate any information related to a (tube type)
Modulation Meter built by GE in the 60's.

I believe this was made for the Air Force, it is a large rack mount unit
used to monitor and limit modulation levels of an AM transmitter.

model # ME-112/U contract # AF 30(635)6894

....any information would be appreciated....

John KF2JQ

From: "Don Buska" <d.buska@aaiate.com>
To: Old Tube Radios <boatanchors@theporch.com>
Cc: "BoatAnchors List" <boatanchors@sco.theporch.com>
Date: Mon, 27 Sep 1999 11:36:38 -0700
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit
Subject: Wanted: NC-200 Knob
Message-Id: <18362778105980@il1.aaiate.com>

Hello All,

I am in need of one (only one!) of the brown colored bar knobs used on the National NC-200 receiver. These bar knobs do not have skirts, but do have the metal arrow pointers. Brown was also used on only a few of the National receivers the remainder were always black.

So if someone out there can locate just one of these for me my NC-200 would really appreciate it.

Thanks es 73

Don N9OO

From: "Don Buska" <d.buska@aaiate.com>
To: Old Tube Radios <boatanchors@theporch.com>
Date: Mon, 27 Sep 1999 11:40:58 -0700
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit
Subject: Want: Manual copy for Millen 90711
Message-Id: <18404785905992@il1.aaiate.com>

I am in need of a manual for a Millen 90711 VFO. Happy to pay copy and postage costs.

Thanks es 73

Don N9OO

From: Henry van Cleef <vancleef@netcom.com>
Message-Id: <199909280526.WAA17755@netcom15.netcom.com>
Subject: Re: Chokes/the Great Debate
To: Old Tube Radios <boatanchors@theporch.com>

Date: Mon, 27 Sep 1999 23:26:04 -0600 (MDT)
Cc: boatanchors@theporch.com
MIME-Version: 1.0
Content-Type: text/plain; charset=US-ASCII
Content-Transfer-Encoding: 7bit

I've just come back from a trip to see a week of great debate between great theoretical minds on the subject of RF choke design. Since I got paid to do this sort of work for a few years, I think I can make some comments about differences between nice ideas and what can be done with a Stevens coil winder and a spool of appropriate wire, which is always a compromise.

I'm not copying what Bobbi wrote here, but I think she's much more to the point than some of the theory I see being bandied about (complete with tart comments when a little more live-and-let-live might be considered). I also think it worth considering that when folks like National Co. Millen, B&W, and some of the others came up with stock RF choke designs, there were some very real limits to what could be done, both with theory and with practise. Practise, of course, means "Stevens Coil Winder" and "wire" of some sort, which had to be served with nylon ('50's practise) or some other textile so that there was more than a nodding chance that the coil winder could wind pies that would stand up. Later on, some folks came up with sticky wire that had a plastic coating to get the needed adhesion, which I used to great joy and benefit, but which was hard to put into the production environment with much success. Practise also means what can be done with things like Boonton Q meters and RX bridges to validate the design. Also test oscillator circuits (try your coil with a 6J6 and see if you can get it to sing), wavemeters, and other black arts, particularly in the land above 30 Megacycles, also once called "ultra-high frequency." Theoretical stuff was supported by computers. They were made out of teak and had "Keuffel and Esser" stenciled on them. You did not do too much detailed circuit analysis with them. After all, the boss wanted design drawings and a process sheet this year, and product going out the door to pay for teak computers, Boonton Q meters, and heating oil to keep the place warm. So that nice Millen or National Co. choke was 90% Kentucky Windage (2/3rds of which was "we do coil stuff daily") and 10% theory.

The ideal RF choke has lots of inductance, no resistance, and no capacitance anywhere. The practical RF choke has some inductance, too much resistance, and capacitance all over the place. That's true of any coil. A single-layer solenoid gives some pretty good results, particularly if you space the wire out a little. But to get 2.5 millihenries, you need inches of diameter and of length, and nobody wants to shove all that under a practical chassis. Universal-wound pies allow small diameter forms, and pack a lot of inductance into a small space, with an (it says here, because the boss says you are going to live with it) acceptable level of self-capacitance.

Now, before we haggle about Q, let's consider a typical use of an RF choke: the shunt-fed plate circuits in a Meissner Signal Shifter. There's already an LC tank circuit in there, and we want to favor it. What we want to do is get low-frequency current into the tube place, but prevent high frequency shunting of the tank circuit. You can, of course, feed the plate circuit through a resistor, and most resistors look like mostly ohms, with a microhenry here and there and a picofarad here and there. Very nice because resistors are "mostly resistance." However, they have a nasty habit of blocking low frequency currents and high frequency currents with equal aplomb. A coil, on the other hand, has impedance that theoretically increases as the frequency goes up. What you don't want in an RF choke is a marked peak in that impedance (parallel resonance). You can live with a modest peak here and there, and you can live with some extra DC resistance to soften those peaks.

Ever consider why the classic RF chokes were wound with a bunch of pies spaced out from each other? Easy. Each pie has self-capacitance and a self-resonant frequency that is dismally low. But adjacent pies have both inductive and capacitive coupling that blunts that first self-resonance and adds a new (and even more dismally now) new self-resonance. The end pies are coupled on one side, the center pies on both sides, so you have three self-resonant points that are blunted by not being where other parts are self-resonant. The result is an inductive reactance that wanders on upward as frequency goes up, but with some modest bumps in the road.

When it comes to Q, keep in mind that there are two kinds of Q. One is the actual Q of the coil. The other is the apparent Q as seen at the terminals of the coil when it is connected in the circuit. The apparent Q of a VHF/UHF device, a few turns of wire wrapped on a resistor is "mighty low." But the device will pass more low frequency current than the resistor alone. And the resistor will determine how much you are shunting the tank circuit.

2.5 mh choke? Sure. Coming right up. Lessee, about 300 microhenries per pie ought to be a good starting point. Since we are going four pies, lets make the height about twice the width of the pie, and to keep life easy on the coil winder, let's make the width 1/8 inch and wind it on a 1/4 inch dowel form. Calculate the number of turns needed to get 300 microhenries from #30 single nylon served wire and wind a test coil. After you've got a coil that will stand up (2D/3C is where you start---it will take you most of the afternoon to get the ratio right), correct the number of turns after checking L on the Q meter. Q at the checking frequency will probably look like 50-70.

Now, wind a pair, spacing them about 1/8 inch apart, and see what the combo look like. Using the Q meter, try to find the value of self capacitance for each coil, and for the pair. With some jiggery-pokery using standard coils shunted by the test, see if the self resonant point is in range for the Q meter (you are using a 260-A aren't you? Cinderella turns into a pumpkin at 50 Mhz). Now look for self-resonance of the pair, and see what the pair looks like at the single pie self-resonant frequency. You've got a 250-A RX bridge? Great. You can chase up to 250 Mhz directly with that, and no jiggery-pokery with standard coils and shunting. Makes life easy, doesn't it. Use the Q meter to find mutual inductance of the two pies, and adjust your notions before winding the next test coil. A phenolic washer between the coils will let you slide them on the form.

Now, take another stab, using your adjusted values, and if you were close enough first time, try all four pies. Back to the Q meter and the RX bridge.

If you are getting the idea that I pulled some numbers (1/8 inch, 300 microhenries/pie, equal spacing between pies of 1/8 inch) out of thin air, you're right. But I have a process sheet for winding a 300 microhenry coil with #30 with a 1/8 cam on a 1/4 form, and don't have to calculate anything to make that happen. And in a shop that's got 15 girls ('50's term) winding a variety of coils out in the shop, I've probably not only got a variety of references on process sheets, but most of what I need to do "this job" already figured out, without having to touch my teak computer.

I think you can catch the drift of how things got done 40-50 years ago. The good engineer also could spend a day or two with a triode-connected 50L6 badly neutralized (on the edge of oscillation on a dry day, lots of gain) and a test choke or two looking for birdies. Remember the old adage that oscillators tend to operate as amplifiers, and amplifiers are almost guaranteed to to oscillate, and the engineer may have to do some serious work to gin up a genuinely crumby circuit, but it can be done. Also, some knowledge (100% experience) of how readings on Q meters and RX bridges translate into circuit performance allows use of those boxes to look for snakes in the grass. A crystal video detector box will find if you've got birdies, and some work with wavemeters should pin them down.

I think Bobbi has pointed out that much of this design presumed that one could blunt down the adverse effects so that the device, used in a circuit, had a chance of working.

One point about resistance, Q, heat, and the like. Keep in mind that Q implies AC, not DC, and that the big number is supposed to be inductive reactance. Heat comes from passing current through an impedance. Inductive reactance simply delays the current rise long enough for the voltage to fall toward the opposite half-cycle; this is not passing current through the device. The reason for using a choke with flourescent lights is to limit the current without generating lots of heat (although they do terrible things to the power factor).

--
===
Hank van Cleef
===

```
Message-ID: <003201bf0984$2c8af320$1f00a8c0@ro>
From: "Ragnar Otterstad" <otterstad@inet.uni2.dk>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: FS   Shure microphone
Date: Tue, 28 Sep 1999 09:33:15 +0200
MIME-Version: 1.0
Content-Type: text/plain;
     charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
```

Virtually un-used Shure handmike 414A with cable and plug for sale.

35 dollars shipped

73 Rag LA5HE

```
Message-ID: <37F09CBC.54A5@worldnet.att.net>
Date: Tue, 28 Sep 1999 06:47:24 -0400
From: "John Dilks, K2TQN" <oldradio@worldnet.att.net>
MIME-Version: 1.0
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Tesla -- Program! -- at the NJARC meeting Oct. 8th
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
```

At the October 8 meeting of the New Jersey Antique Radio Club in Freehold, NJ, we are very fortunate to have as a presenter Mr. William Terbo, executive secretary of the Tesla Memorial Society. Mr. Terbo is the grand-nephew of Nikola Tesla and his closest living relative. Mr. Terbo actually met Tesla on several occasions and offers some unique perspectives on the man in his presentations.

For more see our web page:
http://www.eht.com/oldradio/

--
73' John Dilks, K2TQN

Webmaster for "Page 2" all about Antique Wireless
http://www.eht.com/oldradio/awa/
-=and=-
for the New Jersey Antique Radio Club
http://www.eht.com/oldradio/

Please visit my OldRadio Museum
http://www.eht.com/oldradio/museum/

Date: Tue, 28 Sep 1999 08:13:31 -0400
From: polepeeg@aa4rm.ba-watch.org (Marty's Refl. Drop)
Message-Id: <199909281213.IAA02983@aa4rm.ba-watch.org>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Meeting with the enemy* - the results

The question/prizes were for spotting the noise source out of the following four:

a. 32V3
b. 51J4
c. G76
d. RS DSP/wall-wart

Dave Newkirk & Charlie Milton both hit line bypasses. Dave was 1st on idea & hit on the 32V3 too.

I don't think anyone will ever score on the emergency field fix soooo, here it is

Fix was ungrounding chassis fm line by clipping gnd lead on non-original line cord.

Teach me to putz around with Collins engr.

'V3 soldiered on for 5 more hours of CX w/o a bleep.

The guessing bee turned up a couple of surprises:

- group's haste to blame 'durn SS things'

- weakness Arden Allen has for phono oscillators

I expected someone to suggest 6J6s for a moonbounce ckt. but that wasn't to be.

Marty

*the spoofed title is Sleeping with the Enemy... and Sigorny Weaver is better lookin' than any Collins - except, maybe, Joan

----

To: Old Tube Radios <boatanchors@theporch.com>
Date: Tue, 28 Sep 1999 09:28:07 -0300
Subject: WTB: Hallicrafters HT-17
Message-ID: <19990928.093205.-825255.3.w4bld@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit
From: w4bld@juno.com

Hi Gang - The title tells the story. If you have one of these around and would like to help me recreate my first commercial novice station, please contact me directly. Many Thanks, Bob

Bob Kerby
P. O. Box 991
Waynesboro, VA 22980
(I Collect Gonset, Morrow, and Elmac BA's and QRP rigs)

____

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Try Juno Web: http://dl.www.juno.com/dynoget/tagj.

End of BOATANCHORS Digest 2681
****

>From ???@??? Wed Sep 29 04:39:14 1999
Message-Id: <199909281943.d8SJh7D04937@sco.theporch.com>
Date: Tue, 28 Sep 1999 14:42:43 CDT
From: Old Tube Radios <boatanchors@theporch.com>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: BOATANCHORS digest 2682

BOATANCHORS Digest 2682

Topics covered in this issue include:

1) RE: Meeting with the enemy* - the results
by "Owens, Clarence" <clare.owens@otis.com>
2) NC-400 comments and question for NC-400 owners
by "Rodger Singley" <rbsingl@ilstu.edu>
3) Crystal grinding
by Ray Mote <rmote@rain.org>
4) Crystal Grinding
by "Spencer Petri" <wa5jci@flash.net>
5) Wanted - Bud Rack for Globe King 500B
by "Don Buska" <d.buska@aaiate.com>
6) German mil radio
by agemi <agemi@alltel.net>
7) Re: German mil radio
by Bill Strangfeld <bstrang@iac.net>
8) Re: NC-400 comments and question for NC-400 owners
by "Mike O'Brien" <mobrien@lib.drury.edu>
9) RE: Crystal Grinding
by "Owens, Clarence" <clare.owens@otis.com>
10) Re[2]: German mil radio
by agemi <agemi@alltel.net>
11) ADMINISTRIVIA: Posting Admin Requests
by listown@jackatak.theporch.com (Mail List Owner)
12) Re: relay
by "Dr. David Knepper" <knepper@lenzlink.net>
13) E-V 727 Mic WANTED
by Sandy Gerli <angerli@esslink.com>
14) Help With Maritime Comm Log Books
by "David L. Stinson" <arc5@ix.netcom.com>
15) RE: Crystal grinding info needed
by Bocci Paul-CPB007 <CPB007@lmpsil02.comm.mot.com>
16) I am in need of some xtals for a tx.
by BEN NOCK <G4BXD@compuserve.com>
17) WTB DX-100,Apache
by "Ed Santavicca" <santavic@ct.picker.com>
18) Re: I met the enemy
by "Prof. Arthur I. Larky" <ail0@lehigh.edu>

Content-return: allowed
Date: Tue, 28 Sep 1999 09:39:28 -0400
From: "Owens, Clarence" <clare.owens@otis.com>
Subject: RE: Meeting with the enemy* - the results
To: Old Tube Radios <boatanchors@theporch.com>
Message-id: <0FIR00HJ4VO1PQ@mailman.otis.com>
MIME-version: 1.0
Content-type: MULTIPART/MIXED; BOUNDARY="Boundary_(ID_MSKlc2Bk4CCSS7nj0wpoiQ)"

This message is in MIME format. Since your mail reader does not understand this format, some or all of this message may not be legible.

--Boundary_(ID_MSKlc2Bk4CCSS7nj0wpoiQ)
Content-type: text/plain

Ummmm... I thought it was Julia Roberts in Sleeping with the Enemy. And Julia is *definitely* better looking than any Collins, period.

73,

Clare N2RJB

> -----Original Message-----
> From: polepeeg@aa4rm.ba-watch.org [SMTP:polepeeg@aa4rm.ba-watch.org]
> Sent: Tuesday, September 28, 1999 7:14 AM
> To: Old Tube Radios
> Subject: Meeting with the enemy* - the results
>
>   Marty
>
>
> *the spoofed title is Sleeping with the Enemy... and Sigorny Weaver is
> better
> lookin' than any Collins - except, maybe, Joan

--Boundary_(ID_MSKlc2Bk4CCSS7nj0wpoiQ)

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* * * * * * * * * * * * * * *
*  FORBIDDEN MESSAGE FORMAT *
*                           *
* rest of message truncated *
*                           *
* * * * * * * * * * * * * * *
```

Message-ID: <001901bf09b8$f20c7b80$28bf578a@rbsingl>
From: "Rodger Singley" <rbsingl@ilstu.edu>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: NC-400 comments and question for NC-400 owners
Date: Tue, 28 Sep 1999 08:54:11 -0500
MIME-Version: 1.0
Content-Type: text/plain;
     charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

My "flea market special" NC-400 is nearing completion after taking care of several problems. Among the interesting items found (in addition to the petrified mouse):

Missing solder on ground lead from HV secondary, the lead was inserted into a ground lug in the rectifier tube socket but no solder was ever applied.

Dead OB2, doesn't even fire.

Missing bypass on plate feed to BFO, caused interesting BFO "anomalies".

Bad 6BE6 in the product detector. I have lost count of how many weak or microphonic or shorted 6BE6's I have replaced. I just bought a large number of the industrial 7036 (6BE6 on steroids version, about .5 inch taller) on Ebay. I will see how these hold up.

Removed some state police mods, a relay power supply which was not needed (nor neatly installed) and a wire connected to a resistor connected to nothing else in the BFO can. Some sort of uncompleted and now removed mod.

Remaining problems:

The major one is some remaining frequency instability. Cleaning the wipers on the tuning cap helped this but I think it still has problems. I note that extra wipers were added to increase the thickness of the original wipers on the oscillator section. Not sure if this was factory, field, or other addition. I wonder if this was done in response to noted problems. I am also suspicious of the ground connection to the chassis done with rivets. Hand capacitance to the supposedly grounded capacitor frame (even in the back well away from the HFO section) causes a slight but noticeable shift. The oscillator circuit doesn't add to the joy. For detail go to : http://oak.cats.ohiou.edu/~postr/bapix/ and then follow the manual links for the radio. The HFO is a dual triode with two sections, one used as an xtal oscillator. I assumed (INCORRECTLY) that the two were independent and I removed the coupling cap from the plate of the xtal section in an effort to isolate the instability. Well, the instability went away because the oscillator quit oscillating. Back to the basic oscillator circuits in Terman for some enlightenment!

The other remaining irritant is the band indicator system. The 400 uses a cam and a pair of lever arms to indicate frequency-it is very touchy to get it to indicate without guessing which band one is using.

In general, I would like to hear some engineering comments on this radio (Hank are you reading this?). I think there might be a little too many "gee, isn't this a cool idea" concepts in this radio. Note in particular (follow the links to schematic if you are interested) the 2 6BE6s used as mixer 1, the dual IF strips, and the xtal calibrator which uses an interesting method of switching between 100 kc and 1 Mc markers-the design of which does not allow simultaneously putting both xtals on frequency. An interesting radio that performs differently but not necessarily better than its NC183D ancestor.

Rodger WQ9E

Date: Tue, 28 Sep 1999 07:31:20 -0700 (PDT)
From: Ray Mote <rmote@rain.org>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Crystal grinding
Message-ID: <Pine.SUN.4.05.9909280722390.18109-100000@coyote.rain.org>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Use Bon Ami (not Comet -- it has large chunks in it) with water to form a grinding slurry, and do it on a sheet of plate glass. Mark the crystal on one side and grind *only* on the other. You'll take longer to move it, but that can be a plus that prevents you from overshooting! No matter how careful you are, you won't be able to grind exactly the same amount off of the entire area of that one side, and it's the differences in thickness that will finally prevent you from moving it any further -- it'll simply refuse to oscillate past a certain point. When you first start out, you'll have to stop & clean the crystal then check the freq pretty often, until you develop a feel for how far you can move it with a given number of grinding strokes. Just use a circular motion, and keep a log of starting freq, number of strokes & new freq, etc. Several such logs from various grinding attempts will give you a pretty good idea how many strokes it'll take for a given shift in freq.

That's what I was told to do as a Novice in the early Sixties, and it seemed to work well enough for me. Maybe Hank or one of the other real gurus can shed additional light on the topic.

73....Ray Mote, K5FKT <rmote@rain.org> Oxnard, CA

Message-ID: <000101bf09c1$5631b6e0$7d301ed1@wa5jci>
From: "Spencer Petri" <wa5jci@flash.net>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Crystal Grinding
Date: Tue, 28 Sep 1999 09:54:14 -0500
MIME-Version: 1.0
Content-Type: text/plain;
     charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Greetings,

I've ground a couple and used Bon Ami. Since I've made my own reflecting telescope mirror I used the same basic movements, which may not have been necessary. Use a piece of heavy plate glass, after each stroke, rotate the quartz a little and take a step around the work table (I use a 55 gal barrel). On a flat surface this keeps the grinding even. It may be overkill but seems to work OK.

es 73 de Pete WA5JCI   EM21

6 meter VUCC # 361
2 meter VUCC # 346

From: "Don Buska" <d.buska@aaiate.com>
To: Old Tube Radios <boatanchors@theporch.com>
Date: Tue, 28 Sep 1999 07:59:24 -0700
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit
Subject: Wanted - Bud Rack for Globe King 500B
Message-Id: <14591489809262@il1.aaiate.com>

I need a rack cabinet for my Globe King 500B. Originally this was a bud enclosed (back door - open front) standard 19" cabinet with rack height space of 28". I would be willing to consider other similar cabinets, but would prefer not to go much higher than the 28" (maybe 36" max) vertical rack space. I do not want a rack from an old computer system. These have the tendancy to be excessive in depth (I have access to several old DEC and SUN cabinets that are about 3 feet front-to-back on their sides). I'm not sure what the depth of the original Bud 500B cabinet was, but my guess is probably 16-18".

So can someone help?

Thank you es 73

Don N9OO
Kenosha, WI

```
*******************************************************************
**                                                              **
**  Don Buska N9OO (EN62bo)           Mgr - Parts & Repair Ctr   **
**  4805 64th Ave. Kenosha, WI 53144   Advantest America Inc.     **
**  (414)654-0072                      (847)821-3393              **
**  d.buska@aaiate.com             fax (847)634-2872              **
**                                                                **
**           ----------------  Wants ------------------           **
**   RCA     |  James Millen Equipment                |   CSVHFS  **
**   AWA     |  Transmitters by Thordarson, Stancor,  |   NTMS    **
**   AMI     |  UTC and other transformer companies.  |   ARRL-LM **
**   CCA     |                                        |           **
**   QCWA    |  Magazines: 73 Mag's from 1960/61      |           **
**                                                                **
**                  http://www.qsl.net/n9oo                       **
** Home of the Electric Radio Magazine Index & James Millen Page  **
********************************************************************
```

Date: Tue, 28 Sep 1999 11:32:21 -0500
From: agemi <agemi@alltel.net>
Message-ID: <0480.990928@alltel.net>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: German mil radio
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Good morning to all heavy metal types

I recently picked up a Fusprech.a transceiver. It is in fair condition. I
am

looking for some technical information i.e. frequency range (It appears to be
a

50Mhz type, looking at (what I could see) of the P.A. final coil.

I need Power/input and pin outs . It has a BOLD RED name plate "FEIND HORT MIT"

I am not much of a collector, I would like to put in on the air.

Any help would be appreciated.

Roger KD4AS
mailto:agemi@alltel.net

Date: Tue, 28 Sep 1999 11:53:40 -0400 (EDT)
From: Bill Strangfeld <bstrang@iac.net>
To: Old Tube Radios <boatanchors@theporch.com>
cc: Old Tube Radios <boatanchors@theporch.com>
Subject: Re: German mil radio

```
Message-ID: <Pine.SUN.3.93.990928114157.14648C-100000@crystal.iac.net>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII
```

Per War Dept TM E 11-227 (6/44):

Frequency range: (Mc) 24.1 to 25

Antenna: Rod, 6.5 ft

Power source: dynamotor unit SEU.A which operates from 12 v battery at 5.2 amps. Power requirements: filaments, 12 volts, 1 amp (approx); plates 130 volts 25 milliamperes to 180 volts 85 milliamperes (approx).

Power output (watts): 8

Tubes (type and number): 7 -6 RV 12 P2000 and 1 RL 12 P10.

Use: radiotelephone communication between reconnaissance cars and between reconnaissance cars and tanks. It is used only for voice communication.

Remarks: A very compact, high-frequency transceiver - MOPA transmitter and superheterodyne receiver. A very advanced type believed to be a Lorenz product. It is used with a loudspeaker and is provided with a special push button by means of which a tone modulation is transmitted for calling purposes.

"Feind hort mit" means "the enemy is listening." Can't help with the pinouts.

73 Bill W8FIX
bstrang@iac.net

On Tue, 28 Sep 1999, agemi wrote:

> I recently picked up a Fusprech.a transceiver. It is in
> fair condition. I am looking for some technical
> information i.e. frequency range (It appears to be a
> 50Mhz type, looking at (what I could see) of the P.A.
> final coil. I need Power/input and pin outs . It has a
> BOLD RED name plate "FEIND HORT MIT" I am not much of a
> collector, I would like to put in on the air.

Message-Id: <3.0.6.32.19990928105939.007a3210@lib.drury.edu>
Date: Tue, 28 Sep 1999 10:59:39 -0500
To: Old Tube Radios <boatanchors@theporch.com>
From: "Mike O'Brien" <mobrien@lib.drury.edu>
Subject: Re: NC-400 comments and question for NC-400 owners
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

At 08:54 AM 9/28/99 -0500, Rodger Singley wrote re the National NC-400:
>I think there might be a little too many "gee, isn't this a cool idea"
concepts >in this radio...An interesting radio that performs differently
but not >necessarily better than its NC183D ancestor.
>

My ownership and casual use of both radios has resulted in the same impressions. My understanding is the NC-400 was designed and built to unofficial government specs and given a astronomical pricetag (around $900, wasn't it?) unaffordable by mere mortals. Then, according to plan, almost the entire production run was acquired by the FBI and a few other police agencies for use in a nationwide HF law-enforcement network. Most of the radios were rack-mounted in the field; hence, few cabinets survive. Frequency tuning stability wasn't a problem in this application, as the '400 has provision for crystal-controlled channels...

Mike, K0MYW

Content-return: allowed
Date: Tue, 28 Sep 1999 11:51:16 -0400
From: "Owens, Clarence" <clare.owens@otis.com>
Subject: RE: Crystal Grinding
To: Old Tube Radios <boatanchors@theporch.com>
Message-id: <0FIS0008W1OI9S@mailman.otis.com>
MIME-version: 1.0
Content-type: MULTIPART/MIXED; BOUNDARY="Boundary_(ID_DnwRtI9bnHsf0mZ9DVjKmw)"

This message is in MIME format. Since your mail reader does not understand this format, some or all of this message may not be legible.

--Boundary_(ID_DnwRtI9bnHsf0mZ9DVjKmw)
Content-type: text/plain

Hi All,

Two things:

For a source of really nice plate glass pieces, see your local friendly copy machine repair person. And ask him/her to save the next copier glass window that needs replacement. At least one side will be perfect and the copier windows are a nice, handy size.

I noticed that my reply posting about Julia Roberts came with a zero length attachment. I'm trying to figure out how that happened and if this one gets one, I'm going to stop using the "reply" function and see if that does the trick.

73,

Clare N2RJB
> -----Original Message-----
> From: Spencer Petri [SMTP:wa5jci@flash.net]
> Sent: Tuesday, September 28, 1999 9:54 AM
> To: Old Tube Radios
> Subject: Crystal Grinding
>
> Greetings,
>
> Use a piece of heavy plate glass
>
>
> es 73 de Pete WA5JCI   EM21
>
> 6 meter VUCC # 361
> 2 meter VUCC # 346

--Boundary_(ID_DnwRtI9bnHsf0mZ9DVjKmw)
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* * * * * * * * * * * * * * *
*  FORBIDDEN MESSAGE FORMAT *
*                           *
* rest of message truncated *
*                           *
* * * * * * * * * * * * * * *
```

Date: Tue, 28 Sep 1999 12:16:16 -0500
From: agemi <agemi@alltel.net>
Message-ID: <6511.990928@alltel.net>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Re[2]: German mil radio
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hello Bill,

Tuesday, 28 September 99, you wrote:

BS> Per War Dept TM E 11-227 (6/44):

BS> Frequency range: (Mc) 24.1 to 25

BS> Antenna: Rod, 6.5 ft

BS> Power source: dynamotor unit SEU.A which operates from 12 v
BS> battery at 5.2 amps. Power requirements: filaments, 12
BS> volts, 1 amp (approx); plates 130 volts 25 milliamperes to
BS> 180 volts 85 milliamperes (approx).

BS> Power output (watts): 8

BS> Tubes (type and number): 7 -6 RV 12 P2000 and 1 RL 12 P10.

BS> Use: radiotelephone communication between reconnaissance
BS> cars and between reconnaissance cars and tanks. It is used
BS> only for voice communication.

BS> Remarks: A very compact, high-frequency transceiver - MOPA
BS> transmitter and superheterodyne receiver. A very advanced
BS> type believed to be a Lorenz product. It is used with a
BS> loudspeaker and is provided with a special push button by
BS> means of which a tone modulation is transmitted for calling
BS> purposes.

BS> "Feind hort mit" means "the enemy is listening." Can't help
BS> with the pinouts.

BS> 73 Bill W8FIX
BS> bstrang@iac.net

BS> On Tue, 28 Sep 1999, agemi wrote:

>> I recently picked up a Fusprech.a transceiver. It is in
>> fair condition. I am looking for some technical
>> information i.e. frequency range (It appears to be a
>> 50Mhz type, looking at (what I could see) of the P.A.
>> final coil. I need Power/input and pin outs . It has a
>> BOLD RED name plate "FEIND HORT MIT" I am not much of a
>> collector, I would like to put in on the air.

Bill thank you for the information. I am impressed with the quality of construction. They sure liked aluminum diecast parts. It is a nice compact design, there are only 6 pins on the power connector, I should be able to buzz them out.

The only other piece of German WW2 gear, that I had on the air was a paratrooper
transceiver. As I remember, I had it working on 5 meters back in 1950's It was
a
superregen simple piece of gear. The TX sounded good and was stable.

One question, does this have a carbon mike input? as I remember this is what they
used.

Best regards,
Agemi mailto:agemi@alltel.net

Message-Id: <199909281615.d8SGF1403208@jackatak.theporch.com>
From: listown@jackatak.theporch.com (Mail List Owner)
To: Old Tube Radios <boatanchors@theporch.com>
Subject: ADMINISTRIVIA: Posting Admin Requests
Date: Tue, 28 Sep 99 11:15:01 CDT

Gang-

Please accept this periodic posting as it is intended:
A suggestion that will help everyone on the list...

If there is a problem with your email, i.e., the list suddenly stops coming
to you, or if you have problems with someone else's mail, PLEASE address
any questions to, and seek help from:

listown@jackatak.theporch.com

There is really no one on the list who can help you with a problem,
and if I don't happen to see your post, nothing will happen, except
you may irritate the other list members... needlessly.

This is *especially* true of the "XXXX YYYYY your mail is bouncing, please
send me a good address"

If your mail to this person is bouncing, in all likelihood, either you
have the address a bit wrong, or s/he isn't receiving mail from ANYWHERE
especially not from the list, which is delivered as "Bulk!"

Treat the list as a symposium.
In such an environment, with many folks attending who have paid to be
here, it is unlikely you would take up the symposium's resources to
solve an individual problem with your seating...

So, if you encounter a problem, PLEASE remember to send your questions to me, the one person who can help, at:

listown@jackatak.theporch.com

Thanks for your attention
--
73
Jack, W4KH/Mobile - - - BoatAnchor Mailing List Owner - - -
listown@jackatak.theporch.com - "Plus ca change, plus c'est la meme chose"
"Il n'y a que les idiots qui ne changent jamais d'idee"
Tue Sep 28 11:15:01 CDT 1999

Message-ID: <37F0F4DA.77247015@lenzlink.net>
Date: Tue, 28 Sep 1999 13:03:22 -0400
From: "Dr. David Knepper" <knepper@lenzlink.net>
MIME-Version: 1.0
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Re: relay
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Can anyone assist Doug with his relay problem.

Thank you.
Dave, W3ST

Doug Massey wrote:

> Dave,
>
> This is Doug Massey. This is just a reminder note in regards to relay
> k3 in the kwm2 we talked about this morning. As you know I was trying
> to avoid surplus sales as they are expensive.
>
> Best regards,
>
> Doug Massey N4ZZT
>
> Huntsville Al
> 256-852-8547

Message-ID: <37F0FC29.2FB868FB@esslink.com>
Date: Tue, 28 Sep 1999 13:34:34 -0400

From: Sandy Gerli <angerli@esslink.com>
MIME-Version: 1.0
To: Old Tube Radios <boatanchors@theporch.com>
Subject: E-V 727 Mic WANTED
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hi, everyone,

I'm looking for an E-V Model 727 mic with stand in good condx. Anyone have one out there?

73,

--
Sandy Gerli, AC1Y
500 Country Club Road
Avon, CT 06001-2406
(860) 675-5566
E-Mail: angerli@esslink.com

Life Member: ARRL, QCWA
Collins Collectors Association
Hallicrafters Collectors Association

Boatanchors are Ham Radio's living heritage!
Restore something! Smell that hot solder!
Better 'n booze. And, you can get up afterwards!!
Keep your finals dipped, now...

Message-ID: <37F0FC88.A0939D54@ix.netcom.com>
Date: Tue, 28 Sep 1999 12:36:08 -0500
From: "David L. Stinson" <arc5@ix.netcom.com>
MIME-Version: 1.0
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Help With Maritime Comm Log Books
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

I've just received two very fascinating books-
the signalman's ship log books from STK South Mountain,
radio call sign KWEQ,
which was making convoy runs out of New York from May 1944
until the end of the war in Europe. One of the most
interesting details is the use of the TBY radio as a sort of
"interphone" for the convoy.
Never seen that documented before.

I especially like this entry:

6 June 1944
From: Commodore Commanding Convoy
to: All Ships
Time: 0525 hrs.
"For the information of all hands.
The invasion of France started at
0330 this morning."

And it was sent via TBY!

One of the columns used for noting a communication is titled "Method." I've figured out, using the context of what I've read so far, most of the abbreviations used in this column, but need the help of any "old salt" out there who might know the last one:

Sem: Semaphore
C.L.: Colored Lights
TBY: TBY VHF Radio transceiver
F.H.: Flag Hoist
F.L.: ???

Could this be "Flashing Light?" It seems to be the only one missing from the list.

Great books! Bought them on Ebay for a song, too- so there, you Ebay haters ;-P (heh heh!).

73 DE Dave Stinson AB5S
arc5@ix.netcom.com

P.S. What's "STK" in the ship's name?

Message-ID: <B79009C85505D211B11100805FA784C8032FB827@s-il02-k.comm.mot.com>
From: Bocci Paul-CPB007 <CPB007@lmpsil02.comm.mot.com>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: RE: Crystal grinding info needed
Date: Tue, 28 Sep 1999 12:42:12 -0500
MIME-Version: 1.0
Content-Type: text/plain

I regularly use 600 grit wet/dry and a small pocket mirror for the "hard flat surface". It moves the crystal pretty quickly so if you are trying to get to a precise frequency, you will also need something much less abrasive, like toothpaste, to zero in on the frequency.

73 es ZUT
Paul, K9NO

> ----------
> From: Niel Wiegand[SMTP:nielw@ix.netcom.com]
> Sent: Sunday, September 26, 1999 10:56 PM
> To: Old Tube Radios
> Cc: Old Tube Radios
> Subject: Re: Crystal grinding info needed
>
> I've had good luck with "super fine" 400 grit wet sandpaper. Moves FT243 xtals 25 to 50 KHz with no problem. Wet the sandpaper, place on a flat/hard surface, pressing with your finger tip, drag in a figure 8 pattern for 10-15 times, rotating 90 degrees 4 times. Wash off xtal, dry off, remount in holder and check frequency. When repeating, grind the same side. Usually you can tell by close inspection which side has the sandpaper grind vs factory grind.
>
> Using this method it is easy to overshoot your frequency so start slowly.
>
> 73, Niel-WA5VLZ
>
> Allen Cutts wrote:
> >
> > Hi All,
> >
> > I need to change a few FT-243 crystals to a higher frequency. What has
> worked well for you??
> >
>

Date: Tue, 28 Sep 1999 14:14:21 -0400
From: BEN NOCK <G4BXD@compuserve.com>
Subject: I am in need of some xtals for a tx.
To: Old Tube Radios <boatanchors@theporch.com>
Message-ID: <199909281415_MC2-86CA-314B@compuserve.com>
MIME-Version: 1.0
Content-Transfer-Encoding: quoted-printable
Content-Type: text/plain;
      charset=ISO-8859-1
Content-Disposition: inline

I am in need of some xtals for a tx. =

ideally, =

1.8125   and 1.7885 MHz or anything in the range

1.75   to 1.8 MHz   and =

1.811 to 1.814 MHz

cheers, Ben. G4BXD. =

Message-Id: <199909281918.PAA24261@central.picker.com>
From: "Ed Santavicca" <santavic@ct.picker.com>
To: Old Tube Radios <boatanchors@theporch.com>
Date: Tue, 28 Sep 1999 15:02:07 -0500
MIME-Version: 1.0
Content-type: text/plain; charset=ISO-8859-1
Content-transfer-encoding: Quoted-printable
Subject: WTB DX-100,Apache

Hi Guys,

I=92m looking for a DX-100 or Apache in good cosmetic condition, working o=
r
not. I=92m in the Cleveland, Ohio area and willing to drive 200mi for pick=
up.
Does anyone have either of these that is surplus to their needs?

tnx es 73,

de Ed
AA8TV

Message-ID: <37F0E228.D9A@lehigh.edu>
Date: Tue, 28 Sep 1999 15:43:36 +0000
From: "Prof. Arthur I. Larky" <ail0@lehigh.edu>
MIME-Version: 1.0
To: Old Tube Radios <boatanchors@theporch.com>
CC: boatanchors@theporch.com
Subject: Re: I met the enemy
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Marty's Refl. Drop wrote:
>
> and he is us
>
>   Pogo ~1966
>
> Yesterday QRN city erupted in early CX. Even the #@!$ing TCS was
> rockin & rollin' in spite of it's deaf/post RX comportment.
>
> So started on a breaker pulling sequence &, egad, unit to shack silenced
> it. Then further refined search to outlet strip where G76(a) & 32V3(b)/51J4(c)
> & RS DSP(d) wall wart plugged. So guess which one & analysis & emergency field
repair.
>
> First correct unit guess will get a 6J6 shipped to their door all
> expenses paid.
>
> First right analysis gets TWO, as above.
>
> First emergency repair gets THREE and SOCKETS!!!
>
>   M
>
> (can ya tell the CX was a good thing?)
I'll bet you got one of those cheap-o plug strips where the socket
grounds are sort-of crimped and not soldered and not tight. Fix is to
wire them to the incoming ground on your 3-wire plug. Soldering them
all together would be a very good thing. (Also will help you to live
longer.)
Art K3HBA

End of BOATANCHORS Digest 2682
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